

**SECRET**

22 December 1958

MEMORANDUM FOR: [REDACTED]

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SUBJECT : Flight Test Program, Granger Mod 504

1. The purpose of the flight testing during the past week was to confirm the results of the previous week (our best run equipment wise) which lacked data. Of the three (3) attempts only one (1) operation was successful, that being 17 December. Data collected appears to confirm the pilots comments i.e., lock was broken eight (8) to ten (10) times per run from initial lock (approximately 12 miles) to approximately three (3) miles at which point solid lock is maintained.

2. A meeting was held 19 December in Palo Alto, California with Granger Associates represented by [REDACTED] Hqs represented by [REDACTED] and WRSP-4th represented by [REDACTED] could not get reservations and was not present. At that meeting it was decided to run approximately five (5) more test flights prior to Phase Four (4) of the original test program. They are to be as follows:

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a. Remove detection and time delay circuits and run box "hot". It is not expected that this modification would assist any radar in the search mode.

b. Confirm data of 17 December.

c. Run against an F-102 at 20,000 feet.

d. Run against an F-106 at 20,000 feet.

e. Take box to altitude for a static test with high voltage applied.

3. [REDACTED] was contacted on 22 December. He will study the data of this past weeks effort and advise us of his feelings and future plans.

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25 YEAR RE-REVIEW **SECRET**